



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/788,446	03/01/2004	Barbro Moberg-Alchammar	018798-224	9994

21839 7590 01/29/2007
BUCHANAN, INGERSOLL & ROONEY PC
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

EXAMINER

KIDWELL, MICHELE M

ART UNIT	PAPER NUMBER
----------	--------------

3761

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/29/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/788,446	MOBERG-ALEHAMMAR ET AL.	
	Examiner	Art Unit	
	Michele Kidwell	3761	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1 – 16 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 – 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hanson et al. (US 5,509,915).

With respect to claims 1 – 3, Hanson et al. (hereinafter "Hanson") discloses an absorbent article comprising: an absorbent body, a liquid-permeable covering layer arranged over a first surface on the absorbent body, and a liquid-permeable liquid-transfer layer arranged between the absorbent body and the liquid-permeable covering layer, wherein the liquid-permeable covering layer comprises a nonwoven material with a pore volume distribution curve with a maximum at a pore radius greater from 55 μm to 60 μm (figure 13), and wherein the liquid-transfer layer comprises a fibrous layer with a pore volume distribution curve with a maximum at a pore radius of from 105 to 325 μm as set forth in col. 26, lines 9 – 11 and col. 27, lines 16 – 32.

Art Unit: 3761

The difference between Hanson and claim 1 is the provision that that covering layer has a wetting angle of at least 120 degrees.

While Hanson does not explicitly recite this limitation, Hanson does provide the spunbond covering layer with a basis weight of about 22 gsm (col. 7, lines 36 – 40). According to the applicant's disclosure, a spunbond covering layer with the same denier disclosed by Hanson with a basis weight of 18 gsm will provide the claimed contact angle. The examiner contends that based on Hanson's teaching of a basis weight of about 22 gsm, one could reasonably include 18 gsm as being about 22 gsm.

With reference to claims 4 and 5, Hanson discloses an absorbent article wherein the liquid-permeable covering layer comprises fibers with a fiber fineness of at least 5 dtex and the claimed basis weight as set forth in col. 22, lines 43 – 61.

As to claim 6, Hanson discloses an absorbent article wherein the liquid permeable covering layer comprises a spunbond nonwoven as set forth in col. 18, lines 49 – 54.

With reference to claim 7, Hanson discloses an absorbent article wherein the liquid-transfer layer comprises a polyester wadding bonded with a binding agent as set forth in col. 20, lines 52 – 56.

With reference to claims 8 – 12, see the rejection of claim 1.

Regarding claim 13, Hanson discloses an absorbent article wherein the liquid-transfer layer comprises fibers with a fiber fineness of from 6.7 to 11 dtex as set forth in col. 22, lines 43 – 61.

As to claim 14, Hanson discloses the claimed basis weight in col. 22, lines 43 – 61. The examiner considers the bulk measured at a specific load as functional. Hanson is fully capable of performing the recited function.

With reference to claim 15, see the rejection of claim 1. The examiner considers much of the claim to recite functional limitations that the article Hanson is fully capable of performing.

As to claim 16, Hanson discloses an absorbent article wherein the article comprises a liquid-impermeable covering layer located over a second surface on the absorbent body opposite the first surface, and in that the liquid-permeable covering layer and the liquid-impermeable covering layer together enclose the absorbent body as set forth in col. 6, lines 39 – 50.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michele Kidwell whose telephone number is 571-272-4935. The examiner can normally be reached on Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tatyana Zalukaeva can be reached on 571-272-1115. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3761

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Michele Kidwell
Primary Examiner
Art Unit 3761